

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 35997-A3ZYA/JPW/ADM		Serial No.: Not Yet Known								
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)				Applicants <b>Hung-Teh Kao, et al.</b>										
				Filing Date Herewith		Group Art Unit								
<b>U.S. PATENT DOCUMENTS</b>														
Examiner Initial		Document Number						Date	Name	Class	Subclass	Filing Date if Appropriate		
		4	9	8	5	3	5	2	1/15/91	Julius, et al.				
		5	1	5	5	2	1	8	10/13/92	Weinshank, et al.				
		5	3	6	0	7	3	5	11/1/94	Weinshank, et al.				
		5	4	7	2	8	6	6	12/5/95	Gerald, et al.				
		5	4	7	6	7	8	2	12/19/95	Weinshank, et al.				
		5	6	6	1	0	2	4	8/26/97	Kao et al.				
		5	8	8	5	7	8	5	3/23/99	Kao et al.				
<b>FOREIGN PATENT DOCUMENTS</b>														
		Document Number						Date	Country	Class	Subclass	Translation		
												Yes	No	
		0	5	6	5	3	7	0	10/13/93	EPO				
		2	6	9	6	7	4	9	4/15/94	FR				
		9	5	0	6	1	1	7	3/2/95	PCT				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>														
		Kramer, R.A., et al., "Regulated Expression of a Human Interferon Gene in Yeast, Control by Phosphate Concentration or Temperature," <i>PNAS</i> <b>81</b> : 367-370 (1984);												
		Cory, R.N., et al., "5-HT <sub>2</sub> Receptor-Stimulated Inositol Phosphate Formation in Rat Aortic Myocyte," <i>Euro. J. Pharm.</i> <b>131</b> : 153-157 (1986);												
		Hoyer, D., et al., "Serotonin Receptors in the Human Brain. II. Characterization and Autoradiographic Localization of 5-HT <sub>1C</sub> and 5-HT <sub>2</sub> Recognition Sites," <i>Brain Research</i> <b>376</b> : 97-107 (1986);												
		Lyon, R.A., et al., " <sup>3</sup> H-DOB (4-Bromo-2, 5-Dimethoxyphenylisopropylamine)-Labels Guanyl Nucleotide-Sensitive State of Cortical 5-HT <sub>2</sub> Receptors," <i>Mol. Pharm.</i> <b>31</b> : 194-199 (1986);												
		Cory, R.N., et al., "The 5-Hydroxytryptamine (5-HT <sub>2</sub> ) Receptor Stimulates Inositol Phosphate Formation in Intact and Broken WRK1 Cells: Determination of Occupancy-Response Relationships for 5-HT Agonists," <i>J. Pharm. Exp. Ther.</i> <b>241</b> (1): 258-267 (1987);												
		Shenker, A., et al., "Pharmacological Characterization of Two 5-Hydroxytryptamine Receptors Coupled to Adenylate Cyclase in Guinea Pig Hippocampal Membranes," <i>Mol. Pharm.</i> <b>31</b> (4): 357-367 (1987);												
		Lubbert, H., et al., "cDNA Cloning of a Serotonin 5-HT <sub>1C</sub> Receptor by Electrophysiological Assays of mRNA-Injected Xenopus Oocyte," <i>PNAS</i> <b>84</b> : 4332-4336 (1987);												
		Kobilka, B.K., et al., "An Intronless Gene Encoding a Potential Member of the Family of Receptors Coupled To Guanine Nucleotide Regulatory Proteins," <i>Nature</i> <b>329</b> : 75-79 (1987);												
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**EXHIBIT 1**  
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		Marzoni, G., et al., "6-Methylergoline-8-Carboxylic Acid Esters as Serotonin Antagonists: N <sup>1</sup> -Substituent Effects of 5HT <sub>2</sub> Receptor Affinity," <i>J. Med. Chem.</i> <b>30(10)</b> : 1823-1826 (1987);	
		Kaufman, R.J., et al., "High Level Production of Proteins in Mammalian Cells," <i>Genetic Engineering</i> <b>9</b> : 155-198 (1987);	
		Stevens, et al., "Channel Families in the Brain," <i>Nature</i> <b>328</b> : 198-199 (1987);	
		Fargin, A., et al., "The Genomic Clone G-21 Which Resembles a $\beta$ -Adrenergic Receptor Sequence Encodes the 5-HT <sub>1A</sub> Receptor," <i>Nature</i> <b>335</b> : 358-360 (1988);	
		Harris, T.J., et al., "Expression Of Eukaryotic Genes in E.Coli," <i>Genetic Engineering</i> <b>4</b> : 127-141 (1988);	
		Julius, D., et al., "Molecular Characterization of a Functional cDNA Encoding the Serotonin 1c Receptor," <i>Science</i> <b>241</b> : 558-564 (1988);	
		Pritchett, D.B., et al., "Structure and Functional Expression of Cloned Rat Serotonin 5HT-2 Receptor," <i>EMBO J.</i> <b>7</b> : 4135-4140 (1988);	
		Pierce, P., et al., "Evidence for Distinct 5-Hydroxytryptamine <sub>2</sub> Binding Site Subtypes in Cortical Membrane Preparations," <i>J. Neurochem.</i> <b>52</b> : 656-658 (1989);	
		Amstien, R., et al., "Platelet Deactivation by 5HT <sub>2</sub> -Receptor Blockade Parallels the antihypertensive Response to Ketanserin," <i>J. Hypertense.</i> <b>7(4)</b> : 255-260 (1989);	
		Wright, D.E., et al., "5-Carboxamidotryptamine Elicits 5-HT <sub>2</sub> and 5-HT <sub>3</sub> Receptor-Mediated Cardiovascular Responses in the Conscious Rabbit: Evidence for 5-HT Release from Platelets," <i>Cardiovasc. Pharm.</i> <b>13(4)</b> : 557-564 (1989);	
		Strader, C.D., et al., "Structural Basis of $\beta$ -Adrenergic Receptor Function," <i>FASEB J.</i> <b>3</b> : 1825-1832 (1989);	
		Schmidt, A.W., et al., "5-Hydroxytryptamine Receptor Families," <i>FASEB J.</i> <b>3</b> : 2242-2250 (1989);	
		Cohen, M.L., et al., "Lack of a Difference Between Ketanserin and Ritanserin In Central v. Peripheral Serotonin Receptor Antagonism," <i>Life Sci.</i> <b>45(13)</b> : 1185-1189 (1989);	
		Cohen M.L., et al., "Effect of LY53857, A Selective 5HT <sub>2</sub> Receptor Antagonist on 5HT-Induced Increases in Cutaneous Vascular Permeability in Rats," <i>Life Sci.</i> <b>44(14)</b> : 957-961 (1989);	
		Baez, M., et al., "Pharmacological and Molecular Evidence that the Contractile Response to Serotonin in Rat Stomach Fundus is Not Mediated by Activation of the 5-Hydroxytryptamine <sub>1C</sub> Receptor," <i>Mol. Pharm.</i> <b>38(1)</b> : 31-37 (1990);	
		Branchek, T., et al., "[ <sup>3</sup> H]-DOB(4-Bromo-2, 5-Dimethoxyphenylisopropylamine) and [ <sup>3</sup> H] Ketanserin Label Two Affinity State of the Cloned Human 5-Hydroxytryptamine <sub>2</sub> Receptor," <i>Mol. Pharm.</i> <b>38</b> : 604-609 (1990);	
		Hartig, P., et al., "The Molecular Biology of Serotonin Receptors," <i>Neuropsychopharmacology</i> <b>3(5/6)</b> : 335-347 (1990);	
		Julius, D., et al., "Distinct by Functionally Conserved Serotonin Receptors," <i>PNAS</i> <b>87</b> : 928-932 (1990);	
		Saltzman, A.G., et al., "Cloning of the Human Serotoini 5-HT <sub>2</sub> and 5HT <sub>1C</sub> Receptor Subtypes," <i>Biochem. Biophys. Res. Comm.</i> <b>181(3)</b> : 1469-1478 (1991);	
		Kao, H.T., et al., "Site-Directed Mutagenesis of a Single Residue Changes the Binding Properties of the Serotonin 5-HT <sub>2</sub> Receptor from a Human to a Rate Pharmacology," <i>FEBS Letters</i> <b>307(3)</b> : 324-328 (1992); and	
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		Mita et al., "Evidence for the presence of D2 and 5-HT2 receptors in the human prefrontal cortex," <i>Jap. J. Pharmacol.</i> <b>32</b> : 1027-1032 (1982).			
		Bowie, J.U., et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," <i>Science</i> <b>247</b> : 1306-1310 (1990).			
		Wells, J.A., "Additivity of Mutational Effects in Proteins," <i>Biochemistry</i> <b>29(37)</b> : 8509-8517 (1990).			
		Ngo, J.T., et al., "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox," In: <i>The Protein Folding Problem and Tertiary Structure Prediction</i> , pp 492-495 (1994) Merz, K. Jr. and LeGrand, S. (Eds), Birkhauser (Boston).			
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